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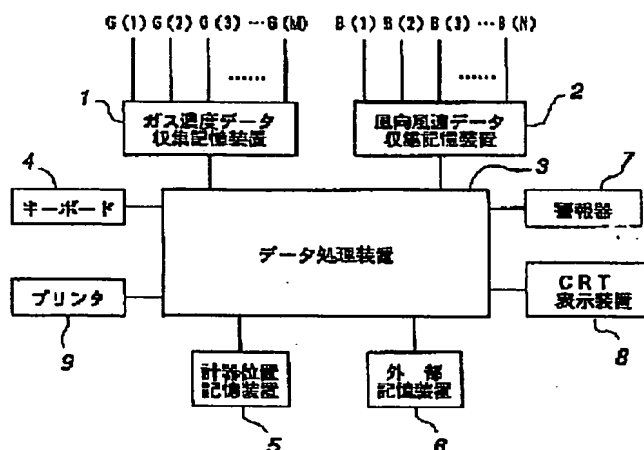
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TITLE : METHOD FOR MEASURING GAS
LEAKAGE REGION



ABSTRACT : PURPOSE: To provide a method for estimating a gas leakage region, a leakage point position, and the amount of leakage from a plurality of average gas concentration data from an arbitrary gas detector which are obtained for nearly the same time and data on the direction of wind and wind speed corresponding the above data.

CONSTITUTION: A gas concentration data collection storage 1 collects and stores average gas concentration data from a gas detector while updating past data, at a certain time interval, and in time series. In a similar manner, a storage 2 for collecting data on the direction of wind and wind speed collects and stores the wind speed data from an anemoscope/anemometer while updating them. A data processor 3 reads average gas concentration data from the device 1 and the data on the direction of wind and wind speed for each gas detector from the device 2 and multiplies the average concentration data by the wind speed data when they are within a measuring range to calculate gas flux. When the wind speed data are low, the wind speed at the lower limit is multiplied by the average concentration. When the concentration data are low, the concentration at the lower limit is multiplied by the wind speed to calculate the flux.

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